

**ATC™ 2000** *Advanced Teaching Compound Microscope*



*Leica*

# The Tradition Continues...



## Setting the Standard

For more than 20 years, the Series 150 microscope has been the standard for microscopy in teaching laboratories. Whether it came from American Optical—its originator, Reichert-Jung or most recently Leica, if it said Series 150, it was the best of its generation. Leica continues the tradition with the new ATC™ 2000 Advanced Teaching Compound Microscope. With superior optics, choice of contrast techniques and photodocumentation capabilities, the ATC 2000 delivers high performance at an economical price.

## New Features - ATC 2000

- Optional phase contrast
- Expanded 20mm field-of-view
- Objectives are parfocal and parcentered at all IPD settings
- Interchangeable monocular, binocular and trinocular bodies
- Modular design

## Innovation

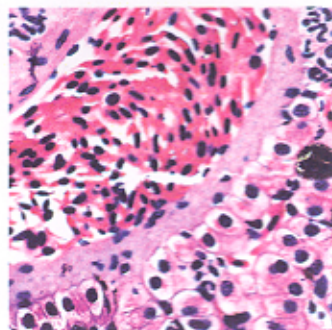
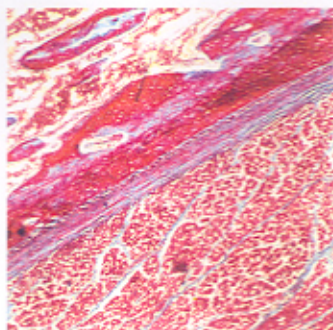
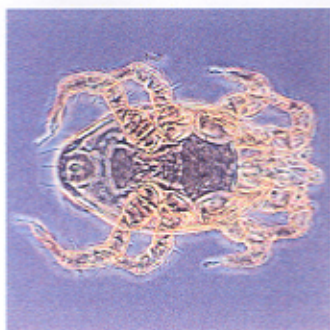
The ATC 2000 microscope enhances advanced instruction by combining innovative design and a solid reputation of optical excellence. With ATC 2000, Leica has met the challenge of designing a microscope that surpasses the features and performance of the Series 150 - the standard for more than 20 years.

ATC 2000 provides an expanded 20mm field of view. Objectives are parfocal and parcentered at all IPD settings. Infinity corrected optics provide field flatness, color accuracy and superb specimen definition. Adding optional phase contrast capabilities makes ATC 2000 a complete teaching microscope.

Because ATC 2000 is modular, it allows more versatility than the Series 150; choose only the components necessary for your application. Interchangeable monocular, binocular and trinocular bodies increase viewing capabilities; the trinocular body permits use with video or photodocumentation systems.

ATC 2000's focusing nosepiece and fixed stage facilitate quick focusing and eliminate movement and vibrations. The optional graduated mechanical stage is available with left- or right-hand controls.





### **Proven Technology**

Like the Series 150, the ATC 2000's all-metal construction assures durability, long classroom life and low maintenance. The ATC 2000 is equipped with Leica's exclusive spring-loaded, reverse nosepiece. This allows easy access to the stage and prevents damage to slides and objectives. Objectives rotate into place with precise click-stop action.

ATC 2000's ultra-positive focusing system permits smooth course and fine focusing without lag or override. Focusing points are clearly indicated on the focusing knob with white-on-black graduations.



### **Superior Quality Optics**

Parfocal, parcentered achromatic, planachromatic and plan phase objectives provide magnification ranges of 4X, 10X, 20X, 40X and 100X (oil). For easy identification, objectives are color-coded.

ATC 2000 comes with standard 10X widefield eyepieces with a 20mm field size, equipped with a built-in pointer. 21.9mm micrometer discs may be inserted into the eyepiece for accurate specimen measurement.



### **Illumination System**

ATC 2000 provides constant, even illumination with a 6V, 9W tungsten-halogen lamp with a built-in reflector. A standard built-in field diaphragm maximizes illumination performance. The ATC 2000 also offers a choice of an Abbe condenser (1.25 N.A.) or a phase contrast turret condenser mounted on a focusable substage.

Koehler type illumination also is possible with the standard field diaphragm.

ATC 2000's illumination system is UL listed, CSA certified, VDE approved and meets CE requirements.



### **Accessories**

Adding accessories to the ATC 2000 further increases its instruction capabilities. 35mm camera systems, as well as CCTV systems, are available for routine photomicrography.

For storage or transportation, a lightweight, padded nylon carrying case is available.

ATC 2000 Advanced Teaching Compound Microscope enables you to take classroom instruction beyond the standard. ATC 2000 strengthens your capabilities because it is designed with the changing classroom in mind.

ATC 2000 Advanced Teaching Compound Microscope...

*Moving The Tradition Forward*



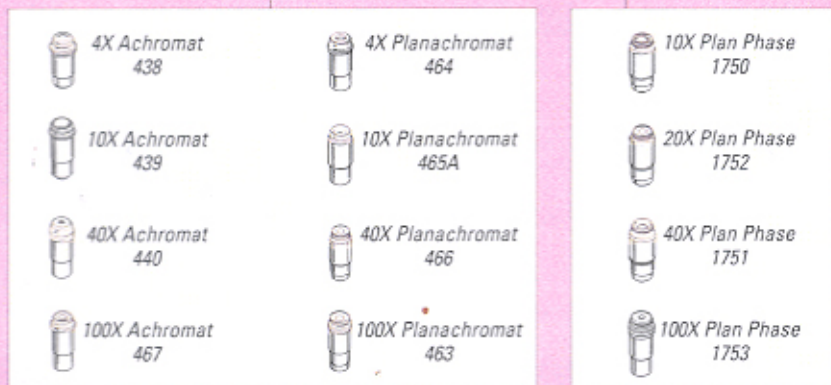
# EYEPIECES



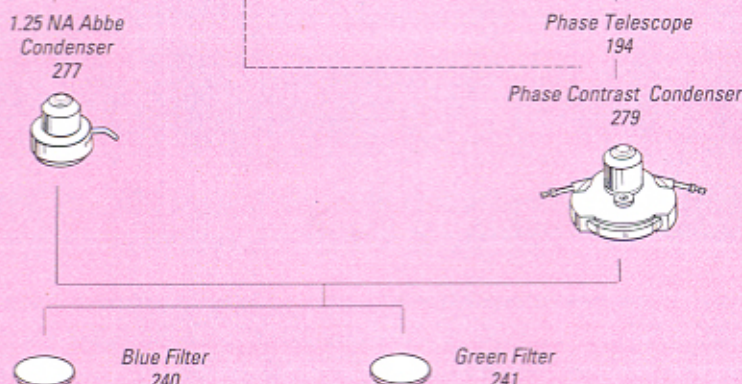
# BODIES



# OBJECTIVES



# CONDENSERS



# STANDS



- 452 RE**
- Stand, 240V Illuminator
  - Quadruple Nosepiece
  - Focusable Substage
  - Field Diaphragm
  - 6V, 9W Halogen Lamp
  - Right-Hand Graduated Mechanical Stage

- 452 RD**
- Stand, 120V Illuminator
  - Quadruple Nosepiece
  - Focusable Substage
  - Field Diaphragm
  - 6V, 9W Halogen Lamp
  - Right-Hand Graduated Mechanical Stage

- 452 LE**
- Stand, 240V Illuminator
  - Quadruple Nosepiece
  - Focusable Substage
  - Field Diaphragm
  - 6V, 9W Halogen Lamp
  - Left-Hand Graduated Mechanical Stage

- 452 LD**
- Stand, 120V Illuminator
  - Quadruple Nosepiece
  - Focusable Substage
  - Field Diaphragm
  - 6V, 9W Halogen Lamp
  - Left-Hand Graduated Mechanical Stage

# ACCESSORIES

- Spare Lamp (6V, 9W) - 631
- Carrying Case - 486
- CCTV Adapter - 1900T
- 35mm Camera Adapter - 1945
- Immersion Oil - 6148
- Dust Cover - 31-49-63

ATC™ 2000 Advanced Teaching Compound Microscope is covered by Leica's 5 Year Warranty.

Due to a policy of continuous development, we reserve the right to change specifications without notice.

for more information,  
please contact:

**Reichert**

Reichert, Inc.  
3362 Walden Ave.  
Depew, NY 14043

[www.reichertms.com](http://www.reichertms.com)  
[ms@reichert.com](mailto:ms@reichert.com)



©1996 Leica Inc., Buffalo NY USA  
Printed in USA EDU-3140 Rev.A 5/96